

IN THE CLAIMS

Please amend claim 5, to read as follows:

1 1. (Original) A portable computer system which includes a main body, a power
2 supplying unit, and a liquid crystal display (LCD) apparatus having an LCD panel which
3 is operated by electric power supplied by the power supplying unit and a back light which
4 illuminates the LCD panel, said system further comprising:

5 a direct current to alternating current (DC/AC) inverter for supplying AC power to
6 the back light;

7 a contrast sensing part for sensing contrast of a video signal displayed on the LCD
8 panel and outputting a pulse width modulation (PWM) signal;

9 a DC converter for converting the PWM signal from the contrast sensing part into
10 a DC signal;

11 a voltage controller provided between the DC converter and the DC/AC inverter
12 for providing the DC signal from the DC converter as an operating voltage of the DC/AC
13 inverter; and

14 a controller connected in series with the DC/AC inverter for sensing the operating
15 voltage of the DC/AC inverter, and for controlling the voltage controller on the basis of
16 the operating voltage of the DC/AC inverter.

1 2. (Original) The portable computer system according to claim 1, wherein the
2 controller is directly connected to the DC/AC inverter, and the contrast sensing part is
3 connected to the DC/AC inverter via the DC converter and the voltage controller.

1 3. (Original) The portable computer system according to claim 1, further
2 comprising a back light manual selection part operable for suspending a back light
3 automatic control function, and wherein the controller turns off the voltage controller
4 when the back light manual selection part is operated to suspend the back light automatic
5 control function.

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1 4. (Original) The portable computer system according to claim 3, wherein the
2 back light manual selection part is included in a keyboard unit provided in the main body.

1 5. (Currently Amended) A method of controlling a portable computer system
2 which includes a main body to which a power supplying unit is connected, and an LCD
3 apparatus having an LCD panel operated by electric power supplied by the power
4 supplying unit, a back light for illuminating the LCD panel, and a contrast sensing part
5 connected to the LCD panel, said method comprising the steps of:

6 sensing an operating voltage of a DC/AC inverter supplying an AC voltage to the
7 back light; ~~and;~~

8 ~~converting~~ obtaining a back light control signal[[,]] outputted from the contrast
9 sensing part[[,]] ;

10 converting the back light control signal into a DC signal, ~~and~~ ;

11 controlling the DC signal to have an intensity for operating the DC/AC inverter so

12 ~~as to supply~~ ; and

13 supplying the controlled DC signal as a DC operating voltage to the DC/AC
14 inverter.

1 6. (Original) The method according to claim 5, further comprising the steps of:

2 selecting a back light manual control function; and

3 suspending a back light automatic control function so as to allow a user to

4 manually control the back light when the back light manual control function is selected.

1 7. (Original) The method according to claim 6, further comprising the step, prior

2 to the sensing step, of determining whether the contrast sensing part is provided, and

3 suspending the back light automatic control function so as to allow the user to manually

4 control the back light when the contrast sensing part is not provided.

1 8. (Original) The method according to claim 7, wherein the back light automatic

2 control function is carried out based on sensing, by the contrast sensing part, of a contrast

3 of a video signal, displayed on the LCD panel.

1 9. (Original) The method according to claim 6, wherein the back light automatic
2 control function is carried out based on sensing, by the contrast sensing part, of a contrast
3 of a video signal displayed on the LCD panel.

1 10. (Original) The method according to claim 5, further comprising the step, prior
2 to the sensing step, of determining whether the contrast sensing part is provided, and
3 suspending a back light automatic control function so as to allow the user to manually
4 control the back light when the contrast sensing part is not provided.

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1 11. (Original) The method according to claim 10, wherein the back light
2 automatic control function is carried out based on sensing, by the contrast sensing part, of
3 a contrast of a video signal displayed on the LCD panel.

1 12. (Original) The method according to claim 5, wherein the back light automatic
2 control function is carried out based on sensing, by the contrast sensing part, of a contrast
3 of a video signal displayed on the LCD panel.

1 13. (Original) A portable computer system having a liquid crystal display (LCD)
2 and a back light illuminating the LCD panel, said system further comprising:

3 direct current to alternating current (DC/AC) inverter means for supplying AC
4 power to the back light;

5 contrast sensing means for sensing a contrast of a video signal displayed on the
6 LCD panel and outputting a pulse width modulation (PWM) signal;

7 DC converter means for converting the PWM signal outputted by the contrast
8 sensing means into a DC signal; and

9 voltage controller means disposed between the DC converter means and the
10 DC/AC inverter means for controlling the DC signal from the DC converter means so that
11 it has an intensity of an operating voltage for the DC/AC inverter means, and for
12 supplying the controlled DC signal to the DC/AC inverter means.

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14. (Original) The portable computer system according to claim 13, further
2 comprising controller means connected to the DC/AC inverter means for sensing the
3 operating voltage of the DC/AC inverter means, and for controlling the voltage controller
4 means on the basis of the sensed operating voltage.

1 15. (Original) The portable computer system according to claim 14, wherein the
2 controller means is directly connected to the DC/AC inverter means, and the contrast
3 sensing means is connected to the DC/AC inverter means via the DC converter means and
4 the voltage controller means.

1 16. (Original) The portable computer system according to claim 14, further
2 comprising back light selection means operable by a user for selecting manual control of
3 the back light and for suspending automatic control of the back light.

1 17. (Original) The portable computer system according to claim 16, wherein the
2 back light selection means comprises a keyboard unit of the portable computer system.

1 18. (Original) The portable computer system according to claim 16, wherein the
2 controller means turns off the voltage controller means when the user operates the back
3 light selection means to select the manual control of the back light.

1 19. (Original) The portable computer system according to claim 13, further
2 comprising back light selection means operable by a user for selecting manual control of
3 the back light and for suspending automatic control of the back light.

1 20. (Original) The portable computer system according to claim 19, wherein the
2 back light selection means comprises a keyboard unit of the portable computer system.
